



# [TikTok Claims Classification Project] Proposal

## Overview:

The goal of this project is to create a machine learning model that can accurately classify user interaction data on TikTok as either claims or opinions. This will assist in improving the content moderation process by automating the classification of user-generated content, thus enabling quicker and more efficient moderation.

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	<b>Begin exploring the data</b>  <b>Plan</b>	<ul style="list-style-type: none"><li>Global-level project document</li><li>Data exploration report</li></ul>	<b>Data Science Team Lead</b>
1a	<b>Compile summary information about the data</b>  <b>Analyze</b>	Data summary document	<b>Data Analysts</b>
2	<b>Data exploration and cleaning</b>  <b>Analyze</b>	<ul style="list-style-type: none"><li>Data files ready for EDA</li><li>Cleaned dataset, data cleaning report</li></ul>	<b>Data Engineers</b>
2a	<b>Compute descriptive statistics</b>  <b>Analyze</b>	Descriptive statistics report	<b>Data Science Team</b>



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3	<b>Build a regression model</b>  Construct ▾ and Analyze ▾	<ul style="list-style-type: none"><li>• EDA report</li><li>• Trained regression model, model performance summary</li></ul>	Machine Learning Engineers
3a	<b>Conduct hypothesis testing</b>  Analyze ▾ and Execute ▾	<ul style="list-style-type: none"><li>• Tableau dashboard/visualizations</li><li>• Hypothesis testing results</li></ul>	Data Science Team
4	<b>Visualization building</b>  Construct ▾	<ul style="list-style-type: none"><li>• Analysis of testing results between two important variables</li><li>• Data visualizations (charts, graphs)</li></ul>	Data Visualization Team
4a	<b>Communicate final insights with stakeholders</b>  Analyze ▾ and Execute ▾	Final project report and presentation	Project Manager, Stakeholders
5	<b>Build a machine learning model</b>  Construct ▾ and Execute ▾	Trained ML model, model evaluation report	Data Science Team
5a	<b>Evaluate the model</b>  Execute ▾	<ul style="list-style-type: none"><li>• Determine the success of the model</li><li>• Model evaluation metrics (accuracy, precision, recall)</li></ul>	Data Science Lead
6	<b>Write a project proposal</b>	<ul style="list-style-type: none"><li>• Final model</li><li>• Final project proposal document</li></ul>	Project Manager



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	<div>Plan ▾</div>		
6a	<div>Compile summary information about the data</div> <div>Plan ▾</div>	<ul style="list-style-type: none"><li>• Report to all stakeholders</li><li>• Project workflow structure</li></ul>	Data Team Lead, Project Manager